



# CONTRACT DATA SHEET

Monroe County Division of Purchasing  
200 County Office Building, Rochester NY 14614

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**TITLE:** WATER TREATMENT PROGRAMS AND CHEMICALS

**CONTRACT #:** 0902-01

**CONTRACT DATES:** 9/30/04 - 9/30/06

**BUYER:** JOHN BURKE  
**PHONE:** 585-428-3222  
**FAX:** 585-428-2264

**VENDOR:** Feedwater Treatment Systems, Inc.  
P.O. Box 439  
Athol Springs, NY 14010  
  
Phone: 716-627-2398  
Fax: 716-627-3250

## TERMS AND CONDITIONS

**BID ITEM:**

## WATER TREATMENT PROGRAMS AND CHEMICALS

**FOR:**

## VARIOUS MONROE COUNTY AGENCIES

**DUPLICATE COPIES:**

**PLEASE SUBMIT YOUR BID IN DUPLICATE; THE ORIGINAL AND ONE (1) COPY.**

**PRE-BID**  
**INSPECTION:**

Bidders are required to inspect each site in the following specifications to determine its needs.

<u>CONTACT</u>	<u>PHONE</u>	<u>LOCATION(S)</u>
Mike Patanella	716-428-4916	-Greater Rochester International Airport -Frank E. VanLare Waste Water Treatment Plant
Bert Lute	716-274-7793	-Iola Powerhouse -Health & Social Services Building (Westfall Rd.) -Medical Examiner's Building
Don Millar	716-428-2354	-Civic Center Building -County Office Building -Ebenezer Watts Building -Monroe County Jail addition (new) -City Public Safety Building (new)
Bob DeCramer	716-274-8580	-Monroe Correctional Facility

**PRE-BID**  
**CONFERENCE:**

**A PRE-BID CONFERENCE WILL BE HELD TO ANSWER BIDDERS' QUESTIONS. ALL QUESTIONS SHOULD BE PRESENTED AT THIS MEETING. BIDDERS ARE STRONGLY URGED TO ATTEND.**

Date: Wednesday, September 5, 2001  
Time: 8:30 – 9:30 a.m.  
Location: Monroe County Office Building  
39 W. Main Street  
Rochester, NY 14614  
2<sup>nd</sup> Floor Conference Room #206

**QUANTITIES:**

Annually, Monroe County spends approximately \$20,000 for products on this contract. There are no guaranteed maximum or minimum quantities to be purchased. All unit prices bid will be extended for the actual number of units purchased during the contract term.

**DELIVERY:**

Deliveries will be F.O.B. destination as specified by a purchase order. Deliveries must be made within seven (7) days after receipt of an order. **IF THIS DELIVERY TIME IS NOT ACCEPTABLE, THE BIDDER MUST STATE AN ALTERNATE DELIVERY TIME IN THE BID PROPOSAL.** Monroe County reserves the right to reject a bid if the alternate delivery time is not acceptable. **THE CONTRACTOR MUST NOTIFY MONROE COUNTY PERSONNEL AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO MAKING A DELIVERY SO THE COUNTY CAN MAKE ARRANGEMENTS FOR UNLOADING THE PRODUCT(S). IF NOTICE IS NOT PROVIDED OR FOR THOSE FACILITIES WITHOUT A LOADING DOCK, LIFTGATE DELIVERY MUST BE AVAILABLE FROM THE CONTRACTOR AT NO ADDITIONAL COST TO MONROE COUNTY.**

**SPECIFICATION  
ALTERATIONS:**

Specifications will be construed to be complete and be considered the entire description of the goods or services upon which Monroe County is now seeking bids. **Only formal written addenda can materially alter this set of specifications.** No verbal statement made by a Monroe County employee or anyone else is binding nor shall such statement be considered an official part of this public bid proposal.

**METHOD OF AWARD:**

Monroe County will award a contract to the **LOWEST RESPONSIBLE AND RESPONSIVE BIDDER** based on the **TOTAL BID**. **Bidder must meet the terms of the specifications.** Monroe County reserves the right to reject any and all bids if the Purchasing Manager deems said action to be in the best interest of the County.

**CONTRACT TERM/  
PRICE CHANGES:**

This contract will be in effect from the date of award through September 30, 2002, with the option to renew for up to four (4) additional one (1) year terms at the mutual consent of both parties.

Price changes may be proposed by either party no later than forty-five (45) days prior to contract renewal based upon industry price trends. Should price changes not be acceptable to both parties, the contract will not be renewed. Prices may change only once per year, at the time of renewal.

**VOLUME  
DISCOUNTS:**

If available, bidders are encouraged to submit volume discount pricing on products in these specifications; however, the discount pricing will not be a factor in awarding the bid.

**UNCONTEMPLATED  
PURCHASES:**

Monroe County reserves the right to request separate bids for such quantities of items that may be best procured via separate public bid and/or request for quotation and to otherwise act in furthering its own interests.

**WARRANTY/  
GUARANTEE:**

Bidder will, as part of his proposal furnish his warranty/guarantee for all goods/services to be furnished hereunder. At a minimum, Bidder will warrant/guarantee all goods/services for a period of one (1) year from the date of acceptance by Monroe County and Bidder will be obligated to repair or replace all defects in workmanship which are discovered or exist during said one (1) year period.

**PURCHASE ORDER  
ISSUANCE AND  
BLANKET ORDERS:**

Delivery of goods may be directed by the receipt of a purchase order or a purchase order number. In addition, if a contract results from this bid, you may receive "blanket orders" which authorize you to release the commodities or services contracted for up to the dollar value specified on the purchase order. In these instances, you are prohibited from supplying items that are not on contract or substituting other items. **ITEMS SUPPLIED OR SERVICES RENDERED THAT ARE NOT PART OF THIS CONTRACT WILL NOT BE PAID FOR BY MONROE COUNTY.**

**QUALIFIED BIDDER:**

Each Bidder must be prepared to present satisfactory proof of his capacity and ability to perform this contract. Such proof may include, but is not limited to, an inspection of the Bidder's facilities and equipment, references and performance of similar contracts. The Purchasing Manager reserves the right to reject any bid where the bidder cannot satisfy the County as to his ability to perform.

**BILLING  
PROCEDURE:**

All invoices for items/services sold any agency as a result of this contract must be billed in the following manner:

- Specify: 1) PURCHASE ORDER NUMBER
- 2) DESCRIPTION OF ITEM, INCLUDING CONTAINER SIZE,  
MANUFACTURER AND PART NUMBER
- 3) UNIT PRICES AND EXTENSIONS

**INVOICES WITHOUT THIS INFORMATION WILL NOT BE PAID.**

**OTHER AGENCIES:**

The Contractor must honor the prices, terms and conditions of this contract with any and all municipalities, school districts, fire districts or other district or public authority within Monroe County. The Contractor must also offer the prices, terms and conditions of this contract to political subdivisions, fire companies or districts located entirely or partly within Monroe County. Orders placed against this contract between any subdivision or agency or corporation will be contracts solely between the Contractor and those entities. Monroe County will not be responsible for, nor will it have any liability or obligation for, such contract between the Contractor and any third party.

**REPORT OF  
PURCHASE:**

The Contractor must provide the County Purchasing Manager a written report of contract purchases within two (2) days of such a request. At a minimum, this report will indicate the name of the municipality and/or district purchasing from this contract and the total dollar amount spent year to date. If feasible, the Contractor will also itemize or categorize the contract purchases, as requested by the Purchasing Manager.

**SUBMITTAL OF BID  
PROPOSAL:**

Bid proposal must be legible and submitted in the original form bearing an original signature. **COPIES AND FACSIMILES ARE NOT ACCEPTABLE.**

**DAMAGES:**

Any damages to County equipment and/or property found to be the direct result of the Contractor's performance of services under this contract will be the responsibility of the Contractor.

**SECURITIES AND  
INSURANCES:**

Any certificates of Insurance, Bonds, or other forms of security required by this bid are to be submitted to the Purchasing Manager no later than ten (10) normal business days following the date of notification of award. Documents must be received by the close of business, 5:00 PM, on that day.

Failure to adhere to this may result in the award being rescinded and awarded to the next lowest bidder, or being rebid, whichever is determined by the Manager to be in the best interest of Monroe County.

**ADDITIONAL ITEMS:**

Monroe County reserves the right to add related items to this contract during the contract term upon agreement by both parties as to the price. Approval must be given in writing by the Purchasing Manager or his designee.

**INDEMNIFICATION**

The Contractor agrees to defend, indemnify and save harmless the County, its officers, agents, servants and employees from and against any and all liability, damages, costs or expenses, causes of action, suit, judgments, losses and claims of every name not described, including attorneys' fees and disbursements, brought against the County which may arise, be sustained, or occasioned directly or indirectly by any person, firm or corporation arising out of resulting from the performance of the services by the Contractor, arising from any act, omission or negligence of the Contractor, its agents and employees, or arising from any breach or default by the Contractor under this Agreement. Nothing herein is intended to relieve the County from its own negligence or misfeasance or to assume any such liability for the County by the Contractor.

**EXCEPTION:**

**ANY EXCEPTION TO THIS BID MUST BE IN WRITING AND ATTACHED TO THE PROPOSAL SHEET.**

**BIDDER SUBMITTALS, REQUIREMENTS AND QUALIFICATIONS**

**At a minimum, bid proposals must include the following:**

- A. Description of program goals
- B. Product descriptions, functions and concentration of active ingredients.
- C. Recommendations and discussion based on facility survey (This is **not** required at the time of the bid opening.)
- D. Data economics and chemical requirements on item's total cost per year, per MMlbs. of steam, or per M gallons of make-up, whichever is applicable
- E. Product Data Sheets and/or MSDS
- F. Control charts
- G. Literature and technical data
- H. Water analysis (This is **not** required at the time of the bid opening.)
- I. Service references: A list of service references of treatment sites comparable in size and capacity to Monroe County facilities. Contact person and phone number for each reference is essential.
- J. Calculations for chemical dosages
- K. Proof of state certification of laboratory where samples will be tested
- L. A complete product breakdown including all ingredients, percent of active ingredients, and percentage concentration recommended dosage for each product. Indicating "proprietary" or "per specification" in lieu of a complete product breakdown will not be accepted.
- M. Copy of EPA approved biocide labels where applicable
- N. Service representative(s): name, address, phone number, contact person and work experience
- O. Laboratory: name, address, phone number and contact person

**Requirements and Qualifications:**

The water treatment company must have at least one (1) officer or official holding a college or university degree in Chemistry or Chemical Engineering who is readily available for consultation with the company's service representative. The service representative must have experience in treating water and systems of at least the same size, capacity and type as the systems contained in these specifications. This individual must also be actively and responsibly in charge of all water treatment work related to those systems.

**TECHNICAL SPECIFICATIONS**

**A. SCOPE:**

The objective of a water treatment program is to provide Monroe County with the means to reduce energy costs, to prolong equipment life and to minimize maintenance costs.

**B. TYPES OF SYSTEMS:**

Monroe County systems include but are not limited to boilers, chilled water closed loop, hot water closed loop and condensate cooling towers.

**C. TRAINING OF OPERATING PERSONNEL:**

The Contractor must supply manual(s) covering the basic principles of testing procedures, chemical feeding, blow down and other aspects of water treatment.

The Contractor must provide new program start up demonstration and instruction to include the application and handling of the products and control test equipment.

The Contractor must provide overall instruction to include the application and handling of the products and control test equipment and safety procedures. These procedures must cover handling, transferring and disposal of all chemicals and containers, spill control and clean up. This training must be repeated on a once a year basis, or as needed to accommodate new personnel.

**D. TEST KITS / REPAIR PARTS:**

For the life of the contract, the Contractor must furnish complete test kits and all reagents for testing treatment reserves for each location. **THE CONTRACTOR MUST FURNISH THESE TEST KITS AND REAGENTS TO MONROE COUNTY AT NO ADDITIONAL COST TO THE COUNTY.** With his bid, Bidder must offer a discount from manufacturer's list price for optional equipment and repair parts purchased for the make of equipment on which he is submitting his bid. Manufacturer catalogs must be provided for optional equipment such as feed systems, metering devices and chemical feed pumps.

**E. DESCRIPTION:**

With his bid, Bidder must submit marked detailed specifications, cuts, or catalogs necessary to give a full description of the equipment he proposes to furnish. The color of the equipment will be selected by Monroe County from stock models.

**F.** Bidder must guarantee that the equipment offered is standard, new equipment, the latest model of regular stock product, with parts regularly used for the type of equipment offered, that such parts are all in production and none likely to be discontinued; also that no attachment or part has been substituted or applied contrary to the manufacturer's standard guarantee against defects in design, material or workmanship applied on the equipment delivered.

**G. CONTAINERS:**

Chemicals supplied must be in barrels made of recyclable metal, plastic or heavy fiberglass. The Contractor will be responsible for picking up all empty barrels. Monroe County is responsible for rinsing all barrels before pick up. **CHEMICALS CAN BE SUPPLIED IN GRANULAR AND/OR LIQUID FORM. THE ORDERING AGENCY/FACILITY WILL SPECIFY THE FORM REQUESTED WHEN PLACING AN ORDER.**

## **H. TECHNICAL SERVICE:**

A complete description of the Contractor's technical service, testing and program management plan must be submitted with the bid. This information must include details of service responsibility and must include:

1. Routine service visits including written reports and recommendations ( a minimum of one ( 1 ) visit per month )  
  
Monthly steam system samples must include boiler water, feedwater, condensate, softened tap and tap water. The boiler water analysis must include tests for sulfite residual, total dissolved solids, water hardness, p-and m-alkalinity, chlorides, phosphate where applicable, and pH of the system water. If a phosphate treatment program is not being applied, a test for ppm of demand of residual NTA or EDTA must be included. Feedwater samples must include total dissolved solids, p- and m-alkalinity, chlorides, pH level in an alkaline range between 8 and 8.5. Softened tap water must be checked on a monthly basis to ensure 0 ppm of hardness.
2. Twenty-four ( 24 ) hour emergency service action plan
3. Start-up action plan
4. Operation training outline
5. Operations manual layout
6. Water and deposit analysis (quantitative-qualitative)
7. Program management action plan
8. Condensate monitoring
9. Pre-treatment equipment study
10. Testing control chart
11. Survey guidelines
12. Inspection report/frequency and activity guidelines
13. Other laboratory and field services
14. Description of back-up service
15. Service representative must be present when boilers and chillers are opened for inspection by insurance companies. Reasonable notice of inspections will be given to the service representative.
16. A written report must be submitted for each service visit and will consist of comments and recommendations resulting from the evaluation of plant logs plus test data and observations at the time of each visit. Recommendations will include, but not be limited to, adjustment of treatment dosages and blowdown rates.
17. Immediate availability of independent certified laboratory facilities and technical support for the solution of water treatment related problems will be provided by the Contractor at no additional charge to the County.
18. Any other water or deposit samples necessary to achieve the objectives of the water treatment program will also be analyzed at no cost to the County. Monroe County will purchase corrosion coupons and corrosion rack assemblies as needed from the Contractor. The Contractor will have portable deposit corrosion monitors available as requested at no additional cost to the County.



**I. BOILER WATER TREATMENT:**

Contractor must provide products that will protect the boilers from scale, corrosion and pitting. The product must not contain any heavy metals. A separate product must be used to protect the condensate system and deaerator from corrosion. The condensate corrosion inhibitor must be of a neutralizing amine type and approved for food grade purposes under FDA and/or USDA regulations of boiler water additives. The formulation for the boiler water product must be phosphate or polymer.

**J. INSPECTIONS:**

The Contractor must monitor the program performance by inspecting each piece of equipment as Monroe County personnel makes it available to the Contractor. County personnel regularly take down equipment to be inspected. Metallurgical and deposit analyses must be performed by the Contractor's lab to identify any potential program problems. A report of the lab's findings must be submitted to County personnel.

**K. SAMPLES:**

Samples of different products as requested for comparison purposes must be furnished by the Bidder within ten (10) business days of such request. Samples are to be supplied at no additional cost to Monroe County. It is understood and agreed by the Bidder that if his samples are tested by an official testing laboratory chosen by Monroe County and found **not** to meet specifications as set forth herein, said Bidder will be responsible for the cost of the testing.

**L. NO PLEA OF IGNORANCE:**

The Bidder hereby understands and agrees that no plea of ignorance relating to any data, conditions, policies, or requirements of the County that may exist or that may reasonably be encountered pursuant to this contract will be accepted as a result of failure or omission on the part of the Bidder to fulfill in every respect all the requirements hereunder, nor will the same be accepted under any circumstances as a basis for any type of claim whatsoever for extra charges, for start up costs, or for the rendering of proper service hereunder. Further, said claims for charges will be without prejudice to the County and will not be honored by said County.

**BP #0902-01**

**SPECIFICATIONS  
FOR  
WATER TREATMENT PROGRAMS**

**1) SUGGESTED INTERNAL BOILER DEPOSIT CONTROL PROGRAM \*:**

Must be a phosphate or polymer base with a sludge conditioning/dispersing agent, if required as a separate product. The deposit inhibitor must prevent deposits due to iron, copper, calcium and magnesium.

**2) OXYGEN SCAVENGER\*:**

Must be catalyzed sodium sulfite to maintain an average residual of 40ppm.

**3) CONDENSATE TREATMENT \*:**

A neutralizing amine to be added such that returning condensate to the boiler house (in all streams) has a minimum pH of 8.0. Note that the condensate system is very large. Also, the high level of copper alloys used in the system makes ammonia unacceptable. Iola Powerhouse also has a 15% make up rate of softened water.

**\*Chemicals must be FDA acceptable or approved.**

**4) WATER TREATMENT CHEMICALS:**

**A. BOILER SYSTEM**

**1. Phosphate – precipitate calcium hardness**

- a. Liquid phosphate/polymer blend containing a minimum of 32% sodium hexametaphosphate

**2. Oxygen Scavenger**

- a. Liquid sodium metabisulfite containing a minimum of 35% sodium metabisulfite

**3. Sludge Conditioner, if required as a separate product**

- a. Liquid blend of phosphonate and low molecular weight polymers incorporating an antifoam agent into the formulation. Product must have a minimum of 10% active phosphonate/polymer.
- b. Liquid blend of phosphonate and low molecular weight polymers incorporating an antifoam agent into the formulation (for smaller boilers).

**4. Neutralizing Amine – for control of condensate return line corrosion**

- a. Liquid neutralizing amine based on the needs of the main steam systems.
- b. Liquid neutralizing amine with known concentration of ingredients.

**5. Phosphate/Sulfite/Polymer – Phosphate/sulfite/polymer blend for usage in small steam systems.**

4) **WATER TREATMENT CHEMICALS: ( continued )**

**B. CHILLED WATER SYSTEM**

1. **Corrosion Inhibitor:** Liquid closed loop corrosion inhibitor containing sodium Molybdate, a polymer and azole. Dosage must yield a minimum of 50 ppm of Molybdate in the system.

**C. COOLING TOWER SYSTEM**

**1. Cooling Tower Inhibitor**

- a. Liquid blend of corrosion and scale inhibitors containing no chromates, phosphates or zinc. Must contain sodium Molybdate for corrosion control, an azole for admiralty metal protection, and a phosphonate/polymer blend for scale control. A minimum molybdenum residual of 2.5 ppm (as Mo), a minimum phosphonate residual of 8 ppm (based on Dequest 2010) and a minimum polymer residual of 15 ppm must be maintained in the recirculating water. As used in the system, the product must have a maximum dosage rate of 150 ppm.

**2. Microbiocide**

- a. Liquid Microbiocide for control of biological growth. Low foaming quaternary ammonium-based biocide with the following ingredients: 10% active (minimum), poly (oxyethylene (dimethylimino) ethylene-dichloride).
- b. Liquid, dual carbamate based Microbiocide minimum 9.5% active. **Note: All biocides must be registered with the Federal Environmental Protection Agency (EPA) and the New York State Department of Environmental Conservation (NYSDEC).**

**D. CLOSED LOOP HOT WATER SYSTEM**

**1. Corrosion Inhibitor**

- a. Liquid corrosion inhibitor through usage of sodium nitrite with a borate buffer. Must contain an azole for yellow metal inhibition and a low molecular weight polymer for dispersion. Must have a minimum of 11% nitrite and 1.9% borate.
- b. Liquid corrosion inhibitor through usage of molybdenum, plus sodium nitrite with a borate buffer. Must contain a minimum 2% sodium Molybdate, 6% nitrite, and 1% borate. Must contain an azole for yellow metal inhibiting and a low molecular weight polymer for dispersion.

**BP #0902-01**

**SPECIFICATIONS  
FOR  
BOILERS AT AIRPORT AND IOLA POWERHOUSE**

1. Must be a phosphate precipitating program with chelant solubilizing addition.
2. Dispersant must be PMA ( polymethacrylate ) at a minimum level of 40 ppm in the boiler water. (Product will be analyzed for active ingredients).
3. Neutralizing amine must be a product to fully protect a large steam system. Adequate protection cannot be supplied by a single or dual amine. ( Ammonia is **NOT** acceptable ).
4. All products for the Airport must be a liquid for ease of application. ( Mixing equipment is **NOT** available ).
5. Boiler Control Parameters:

The Airport has three ( 3 ) hot water boilers.

**Iola Powerhouse Boilers Water Tube**

Sludge Conditioner/Polymer	-200-400 ppm of total product
Total Alkalinity	-350-650 ppm
Sulfite	-30-60 ppm
Conductivity	-2500-3500
pH of Condensate	-8.0-8.5 minimum
Make Up	-15%

## CONDENSER WATER SYSTEM:

### A. CORROSION AND DEPOSIT CONTROL

Treatment must consist of a liquid, multifunctional formulation containing Molybdate, organic sequesterant, polymer, corrosion inhibitor for yellow metals, and an antifoulant/dispersant. Cycles of concentration to be recommended by bidder. Any increase in cycles, or energy conservation must be noted. The yellow metal inhibitor must be of the Aromatic Azole type. Antifoulant/dispersant must be a polyacrylate or polymethacrylate or equivalent.

#### Specifications for Cooling Towers at Airport, Health and Social Services Building and County Office Building.

1. Program must include scale/corrosion inhibitor and biocide.
2. Scale/corrosion inhibitor will be a liquid, one-drum product. All drums must be metal, plastic or heavy fiberglass.
3. Molybdate level in tower water must be 10-15 ppm as Mo +6.
4. \*AMP may not be used due to potential phosphate reversion problems.
5. Biocides must be liquid form and may be recommended by the Center for Disease Control for use against Legionnaires' Disease. Contractor must be able to supply biocides in 5-gallon pails for ease of feeding and transport.
6. Suggested biocide is DBNPA ( dibromo-nitrilo-propionamide ) at 120 ppm feed rate.
7. Formula: cost of corrosion/scale inhibitor and biocide per 1000 gallons of makeup water X.
8. System volumes:

Health and Social Services	7000 gallons
Airport	4000 gallons
County Office Building	3300 gallons

**\*AMP = Amino Nitrilotris - Methylene - Phosphoric Acid**

### B. MICROBIOLOGICAL CONTROL

To control the growth of bacteria, algae and fungi, the condenser water system must be treated with two biocides. The biocides must be fed a minimum of once per week on an alternating basis; that is, one must be fed one week and the following week; the alternate biocide must be fed. The County will purchase microbiological dip slides from the Contractor for each location as recommended in the Contractor's service report. These dip slides are used in monitoring the effectiveness of the biocide program. Control range must reflect the level of biocide in the system when slug fed. Bidder must be responsible for changing the recommended dosages according to the microbiological conditions that exist in each particular system. The recommended biocide must function in an alkaline pH range and be nonfoaming. The recommended biocides of choice are quaternary types. No phenolics will be tolerated. Chlorine will not be considered as a toxic biocide in an alkaline pH range.

## **CHILLED WATER SYSTEM:**

Provide protection from corrosion, pitting and scale, using a liquid nitrite borate type product. Nitrite levels must be maintained at a level of 1,000 to 1,500 ppm except in Civic Center 500 ppm in the chilled water loop during cooling season.

### **Specifications for Civic Center closed loop. (Also closed loops at Airport, Health and Social Services Building, County Office Building.**

1. Product must be liquid to facilitate usage at site.
2. Product must contain nitrite, borate, silicate and tolytriazole corrosion inhibitor for closed system.
3. Feed rate sufficient must maintain 500 ppm of nitrite ( as  $\text{NO}_2$  ) in system ( summer usage Civic Center only ).
4. Cost must be based on feed rate per 1,000 gallons.
5. Winter / Summer usage to maintain 1200 ppm of nitrite (  $\text{NO}_2$  ).
6. Air handlers drain pans require biocide. All drain pans lead to sanitary sewers.

Number of air handlers X necessary quantity of biocide X cost of biocide.

- a. Biocide must be environmentally safe.
- b. Feeding mechanism must be nonplugging.
- c. Material must be solid form with plastic covering and be EPA registered.

( Approximately one hundred ( 100 ) plastic units are used annually by Monroe County. )

**BP #0902-01**  
**WATER TREATMENT PROGRAMS AND CHEMICALS**  
**INSPECTIONS / SAMPLES / TEST KITS**

THE CONTRACTOR IS REQUIRED TO VISIT THE FOLLOWING LOCATIONS MONTHLY FOR A SERVICE INSPECTION:

- 1) Iola Powerhouse, 444 E. Henrietta Road, Rochester, NY 14620
- 2) Medical Examiner's Building, 740 E. Henrietta Road, Rochester, NY 14623
- 3) Health and Social Services Building, 111 Westfall Road, Rochester, NY 14620
- 4) County Office Building, 39 W. Main Street, Rochester, NY 14614
- 5) Civic Center (Shop-lower level garage), 130 S. Plymouth Avenue, Rochester, NY 14614
- 6) Ebenezer Watts Building, 49 S. Fitzhugh Street, Rochester, NY 14614
- 7) Greater Rochester International Airport, 1200 Brooks Avenue, Rochester, NY 14624
- 8) Public Safety Training Facility, 1180 Scottsville Road, Rochester, NY 14624
- 9) Frank E. VanLare Waste Water Treatment Plant, 1574 Lakeshore Boulevard, Rochester, NY 14617  
( OCTOBER – MAY ONLY )
- 10) Seneca Park Zoo, 2222 St. Paul Street, Rochester, NY 14617  
( OCTOBER – MAY ONLY )

SAMPLES WILL BE COLLECTED IN ADVANCE BY THE COUNTY FROM SOME LOCATIONS AND WILL BE AVAILABLE AT THE FOLLOWING SITES FOR TREATMENT/ANALYSIS:

- 1) Iola Powerhouse will also have available: Children's Detention Center and Pure Waters Bldg. 15
- 2) Medical Examiner's Building will also have available: Monroe Correctional Facility

THE FOLLOWING TEST KITS AND ESTIMATED ANNUAL QUANTITIES MUST BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO MONROE COUNTY:

- 1) Iola Powerhouse:
  - (1) pH + (6) refills
  - (1) condensate + (6) refills
  - (1) sulfite + (6) refills
  - (1) polymer or phosphate + (6) refills
  - (2) closed loop
  - (2) hardness + (6) refills
- 2) County Office Building and Ebenezer Watts Building (total for both locations):
  - (2) closed loop + (1) refill
  - (2) cooling tower + (1) refill
- 3) Civic Center:
  - (3) closed loop + (1) refill
- 4) Airport:
  - (1) closed loop + (1) refill
  - (1) cooling tower + (1) refill
- 5) Frank E. VanLare Plant:
  - (1) closed loop + (2) refills
  - (1) hardness
- 6) Public Safety Training Facility:
  - (1) closed loop
  - (1) cooling tower
  - (1) steam boiler kit to test pH, oxygen, sulfite and polymer or phosphate
- 7) Various remote sites ( i.e. Parks ):
  - (1) closed loop
  - (1) hardness

**SAMPLE CALCULATION**  
**COST PER 100,000 LBS. OF STEAM**  
**( Iola Powerhouse Only )**

Month of May

Steam generated = 40,000,000 lbs.

35% Softened Water Makeup Basis - ( 40,000,000 ) x .35 = 14,000,000 lbs.

Actual Softened Water Makeup = 14,000,000 lbs.

Bid Price of Chemical Treatment per 100,000 lbs. Steam Generated = X

Bid Price of Chemical Treatment per 100,000 Softened Water Makeup = Y

Cost of Chemical Treatment for May =

$$\frac{40,000,000}{100,000} (X) + \frac{(14,500,000 - 14,000,000)}{100,000} (Y)$$

If actual softened water makeup was 8,000,000 lbs., then

Cost of Chemical Treatment for May =

$$\frac{40,000,000}{100,000} (X) + \frac{(14,000,000 - 8,000,000)}{100,000} (Y)$$



**BP #0902-01**

**WATER TREATMENT PROGRAMS AND CHEMICALS**

**PRICE SHEET**

<b>ITEM</b>	<b>PRODUCT DESCRIPTION</b>	<b>UNIT PRICE</b>
<b>1</b>	FTS-24F BOILER FEEDWATER OXYGEN SCAVENGER	\$ 1.08/LB
<b>2</b>	FTS-26M STEAM BOILER SYSTEM SCALE INHIBITOR	\$ 1.49/LB
<b>3</b>	FTS-68 BOILER WATER CONDENSATE AMINE	\$ 2.09/LB
<b>4</b>	FTS-153 POLYMER BASED INTGERNAL BOILER WATER CONDITIONER	\$ 1.09/LB
<b>5</b>	FTS-302M CLOSED LOOP SYSTEM CORROSION INHIBITOR	\$ .83/LB
<b>6</b>	FTS-309M CLOSED LOOP SYSTEM CORROSION INHIBITOR	\$ 1.89/LB
<b>7</b>	FTS-348 COOLING TOWER TREATMENT	\$ 1.35/LB
<b>8</b>	FTS-933 COOLING TOWER BIOCIDES, ANTIMICROBIAL AGENT	\$ 1.85/LB
<b>9</b>	FTS BIOCIDES FEEDING MECHANISM WITH PLASTIC COVERING	\$ 3.00/EA

## MONROE COUNTY PURCHASING Vendor Performance Survey

**Contract Title:**

**Contract Number:**

**Vendor:**

Please rank the vendor performing the contract specified on a scale from "1" to "10" with "1" being poor, "5" average and "10" excellent. Please include any additional comments or suggestions in the space provided below. Monroe County Purchasing appreciates your input.

	Poor				Average					Excellent
	1	2	3	4	5	6	7	8	9	10
Item(s) supplied met specifications										
Product provided value (taking into account price, quality, etc.)										
Timeliness of delivery										
Completeness and accuracy of order										
Ability to contact representatives of vendor when needed? (If unavailable was call back prompt?)										
Invoices received promptly and accurately										
Recommendations received from the vendor (i.e. product information, cost saving strategies, ideas for better use of resources, etc.)										

Survey Completed by:

Name:

Title:

Agency:

Telephone: \_\_\_\_\_ Fax:

E-mail:

**Please submit this survey to Monroe County Purchasing via e-mail.**